

## Abstract

A support system for catalyst gauzes in an ammonia oxidation burner and a method of reducing movement of particulate ceramic material due to thermal dilatation includes the catalyst  
5 gauzes (1) and possibly support screens (2) being supported by ceramic fillings contained in a burner basket with metal walls and a perforated bottom plate. A "wave breaker" (9, 11) is fixed to the metal wall (4) and/ or the outer part/ periphery of the bottom plate (5).